

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 63-235549 (71)Applicant : ARAKAWA CHEM IND CO LTD
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(54) ELECTROPHOTOGRAPHIC TONER COMPOSITION SUPERIOR IN LOW TEMPERATURE FIXABILITY

(57)Abstract:

PURPOSE: To render each of resistances to blocking and offset and low temperature fixability satisfactory at the same time by using a combination of a specified nonlinear high molecular weight polyester resin and a nonlinear low molecular weight polyester resin as a binder resin.

CONSTITUTION: The composition to be used as the binder resin is a combination of the nonlinear high molecular weight polyester having a weight average molecular weight of $\geq 50,000$ and a multidispersion degree M_w/M_n of ≥ 20 , and the nonlinear low molecular weight polyester resin having a number average molecular weight of 1,000–5,000 and an M_w/M_n of ≤ 4 , thus permitting all of the performances of the blocking and offset resistances and low temperature fixability to become satisfactory at the same time in a good balance and the obtained toner composition to be especially suitable for high-speed copying machines.

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